

DERWENT-ACC-NO: 1983-793160

DERWENT-WEEK: 198342

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TITLE: Vibration damper - has pair of interacting  
electromagnets and elastic element as flat springs

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PRIORITY-DATA: 1980SU-2921049 (May 8, 1980)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
SU 979753 A	December 7, 1982	N/A	002	N/A

INT-CL (IPC): F16F015/03

ABSTRACTED-PUB-NO: SU 979753A

BASIC-ABSTRACT:

To improve effectiveness, a vibration damper is equipped with an electromagnet (3) rigidly mounted to posts (1) in the plane perpendicular to the object's (2) vibrations, an electromagnet (4) interacting with the first one, and an elastic element in the form of flat springs (5,6) fastened to the posts.

After selection of the appropriate electromagnet (4) mass, the springs rigidity and the magnetic flux, it appears that the frequency of the electromagnet (4) mass equals the frequency of disturbing action on the object (2). Application of this damper allows diminution of a dynamic load acting on the object.  
Bul.45/7.12.82.

CHOSEN-DRAWING: Dwg.1/1

TITLE-TERMS: VIBRATION DAMP PAIR INTERACT ELECTROMAGNET ELASTIC  
ELEMENT FLAT  
SPRING

DERWENT-CLASS: Q63 X25

EPI-CODES: X25-L09;

SECONDARY-ACC-NO:

Non-CPI Secondary Accession Numbers: N1983-185912